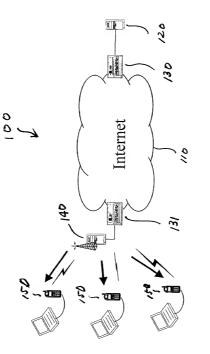
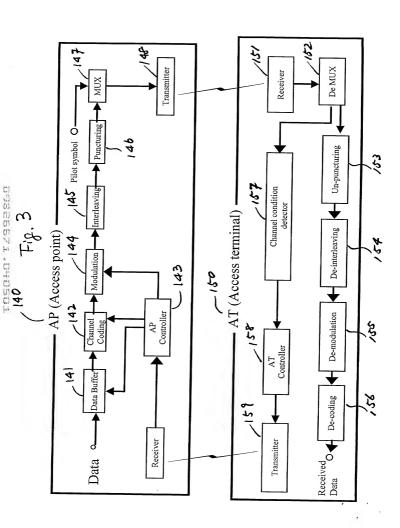
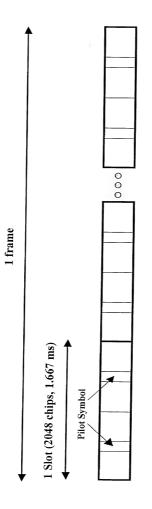


Figure 1

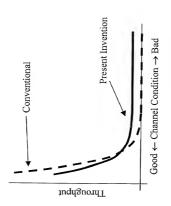


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Tig. 4



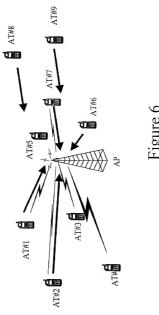


Figure 6

	/-t~	their SIRs $\sim 7-2$	7	up assigned to slot (i) $-7-3$	If Group is empty	Making slot(s) idle	9-1-9	f-t~	i=1 7-8	6-1-6
Fig. 7A		Grouping ATs according to their SIRs		Selecting AT with highest SIR in Group assigned to slot (i)	*t	Transmitting data to selected AT, using slot(s)	i = i + 1	i = 4?	Ž	Receiving new SIRs

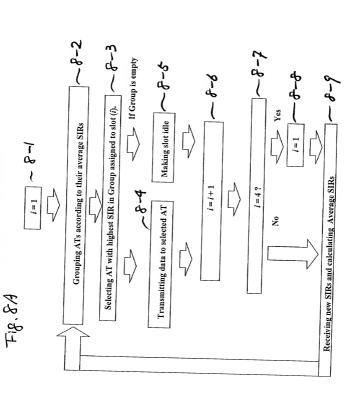
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			TU. 144B	111. 140D		1 0 0 0 0 0	TH: 7dB				
Assigned slots		2 slots / 4 slots			1 slot / 4 slots			1 slot / 4 slots			
Group		1			=			Ħ			
Measured SIR (dB)	20	61	15	13	10	6	3	3	2		
AT No.	5	9	-	3	7	4	2	8	6		

Trs. 7C

#2	Ħ
9#	П
#3	Ħ
#2	н
6#	III
#1	H
#4	Ħ
9#	I
8#	Ħ
\$#	I
<i>L#</i>	ш
#	н
#2	II
9#	I
#3	Ħ
#2	-

K-- 4 Slots →



		$\overline{}$			_	-	_	_		
Assigned slot	,		2 slots / 4 slots			1 slot / 4 slots			1 slot / 4 slots	
Group			1			п			Ħ	
(dB)	0.1×STP ±0.0×STP.	20	20	15	13	10	6	3	3	2
Measured SIR (dB)	SIR	1	20	20	15	5	15	10	3	3
Į	SIR <sub>(t=1)</sub>	21.1	20	14.4	12.7	10.5	8.33	2.22	3.0	1.88
AT No.		5	9	1	3	7	4	2	8	6

TH: 14dB

TH: 7dB

	7	Ħ	T
	9#	-	
	#3	Ħ	
	#2	I	
	6#	Ħ	
ı	#	I	
Tig. BC	#4	п	
	9#	I	Time
حكيا	8#	Ш	] =
1	#2	I	
	#4	Ш	
	#	ı	
	¥	Ħ	
	#1	П	
	#3	п	
	9#	-	
•			

Different spreading codes (CDMA)

					TH: 14dB			TH: 7dB				
Group Assigned slots	)		2 slots/4 slots			I slot/4 slots			l slot/4 slots			
Group			-			=			Ħ			
(dB)	$0.1 \times SIR_{(1)} + 0.9 \times \overline{SIR}_{(1-1)}$	20	20	15	13	10	6	3	3	2		
Measured SIR (dB)	SIR(1)	10	50	20	I	71	77	01	3	3		
	$\overline{SIR}_{(t-1)}$	21.1	20	14.4	14.3	10.9	8.6	2.22	3.0	1.88		
AT No.		5	9	-	3	7	4	2	8	6	4	

Time Time Tilg. 9B

7

#3 #6

5# 6#

#4 #1

9#

8# 5#

#2 #1

#

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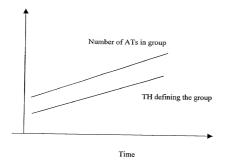
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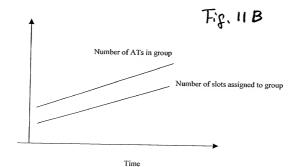
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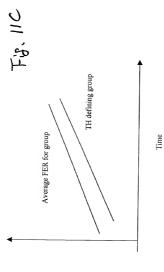
## 下13.10

				, ,	TH: 14dB			TH: 7dB		
Assigned slot			2 slots / 4 slots			1 slot / 4 slots			1 slot / 4 slots	
Group						=			Ш	
	0 1× STR + 0 9× STR	20	20	15	13	10	6	∞1	3	2
Measured SIR (dB)	SIR	10	20	20	15	5	15	26	3	3
I	SIR <sub>(r=1)</sub>	21.1	20	14.4	12.7	10.5	8.33	9	3.0	1.88
AT No.		5	9	-1	3	7	4	2	8	6

Fig. 11 A







c. (

## Tig. 12

			DRC = 4, 5  and  6			DRC = $2$ and $3$			DRC = 1			
Assigned slot			2 slots / 4 slots			1 slot / 4 slots			I slot / 4 slots			
Group			_			=			# 			
(1-6)	$0.1 \times DRC_{(i)} + 0.9 \times DRC_{(i-1)}$	9	9	4	3	7	7	1	1	1		
DRC (1-6)	DRC	9	5	9	4	4	3	2		_		
	DRC(t-1)	9	9	4	3	2	2	1	1	1		
AT No.		5	9	1	3	7	4	2	8	6		